

IN THE SPECIFICATION

Please amend the paragraph at page 11, line 5  
as follows:

A<sup>1</sup>  
--The ground station 10 has a processor 16  
which uses the punctual and late correlation outputs IP,  
IL<sub>1</sub>, IL<sub>2</sub>, IL<sub>3</sub>, . . . , IL<sub>n</sub> as disclosed hereinafter in  
order to determined whether a fault exists.  
Alternatively or additionally, the processor 16 can use  
the early correlation outputs IE<sub>1</sub>, IE<sub>2</sub>, IE<sub>3</sub>, . . . , IE<sub>m</sub> as  
disclosed hereinafter in order to ~~determined~~ determine  
whether a fault exists.--

Please amend the paragraph at page 19, line 12  
as follows:

A<sup>2</sup>  
--where  $\tilde{d}$  is a vector representing the decorrelated  
deviations generating the vector  $\underline{d}$ . Equation ~~(9)~~ (8) can  
be re-written according to the following equation:--

Please amend the paragraph at page 19, line 16  
as follows:

A<sup>3</sup>  
--Then, combining equations ~~(6) and (10)~~ (5) and (9)  
produces the following equation:--

Please amend the paragraph at page 20, line 2

as follows:

A4  
--By comparing equations ~~(6)~~ and ~~(11)~~ (7) and (10), it  
can be seen that D is given by following equation:--

Please amend the paragraph at page 21, line 4

as follows:

A5  
--A normalization to  $\sigma = 1$  as required in the definition  
of  $\chi^2$  will be performed in equation ~~(14)~~ (13). The value  
 $d[\chi^2]$  is a single value which has reduced thermal and  
multipath noise, which represents information regarding a  
plurality of correlation measurements, and which may be  
compared to a threshold D in order to determine the  
existence of a fault.--